

**Notice of Allowability**

Application No.

10/696,168

Examiner

Henry K Choe

Applicant(s)

FRANCA-NETO, LUIZ M.

Art Unit

2817

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the response filed on 5/17/2004.
2. ☒ The allowed claim(s) is/are 25,27-31 and 33-63.
3. ☒ The drawings filed on 29 October 2003 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All   b) ☐ Some\*   c) ☐ None   of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

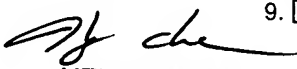
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date 10/29/2003
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

  
**HENRY CHOE**  
**PRIMARY EXAMINER**

**DETAILED ACTION**

***EXAMINER'S AMENDMENT***

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Robert Mates on 6/28/2004.

Claims 26 and 32 have been cancelled.

In line 9 of claim 25, "to change a value of" has been deleted and replaced by -- through a tuning transistor to vary a bias voltage on--.

In line 10 of claim 25, --to change a value of said voltage variable capacitance-- has been added between the words "capacitance" and "when".

In line 1 of claim 27, "26" has been deleted and replaced by --25--.

In line 2 of claim 27, "said voltage adjustment unit includes a transistor having" has been deleted and replaced by --said tuning transistor comprises--.

In line 5 of claim 31, "." has been deleted and replaced by --; and a resonant circuit coupled between the tuning transistor and the cascode core, said parasitic capacitance of said first transistor affecting a center frequency of said resonant circuit.--.

In line 3 of claim 35, --a resonant circuit coupled between said cascode core and said control transistor;-- has been added after ";".

In line 1 of claim 41, "32" has been deleted and replaced by --31--.

In line 2 of claim 43, "a" has been deleted and replaced by –said--.

In lines 2 and 3 of claim 43, "coupled between said cascode core and said tuning transistor" has been deleted.

In lines 2 and 3 of claim 47, "said amplifier further comprises a resonant circuit coupled between said cascode core and said control transistor," has been deleted.

In line 3 of claim 47, "comprising" has been deleted and replaced by –comprises--.

### ***Reasons for Allowance***


Claims 25, 27-31 and 33-63 are allowed.

The following is an examiner's statement of reasons for allowance: Regarding claims 25 and 31, the closest prior art of record, Sechi (Fig. 1) does not disclose the following limitations: a tuning transistor which varies the bias voltage on the first transistor. Regarding claim 35, the closest prior art of record, Sechi (Fig. 1) does not disclose the following limitations: a control transistor which varies the bias voltage. Regarding claims 50 and 53, the closest prior art of record, Sechi (Fig. 1) does not disclose the following limitations: a look up table which provides control values to the controller.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Henry Choe whose telephone number is (571) 272-1760.



**HENRY CHOE  
PRIMARY EXAMINER**